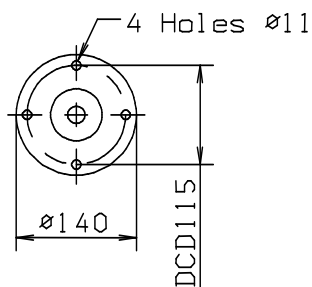


COMROD UHF8402500VM

UHF Broadband Antenna



Mounting details for NATO base

Application:

- * 840-2500 MHz
- * Designed for operation on all kinds of vehicles including Jeeps, Trucks and other armoured vehicles.
- * Suitable for operation on shelters and to be mounted on masts or in other permanent installations.
- * The base can be delivered with or without spring for flexible or rigid installations.
- * A special base with built-in WLAN is also available.
- * No ground plane needed.

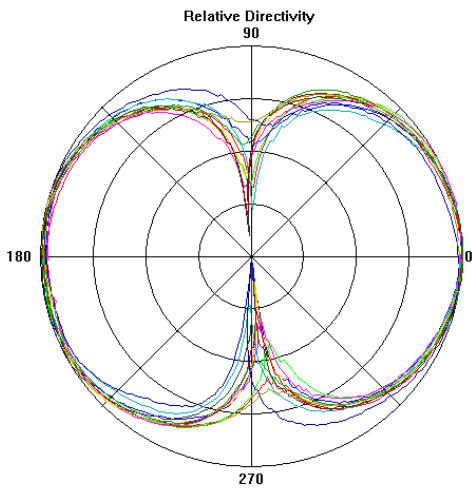
Electrical specifications:

Frequency range	840–2500 MHz
VSWR	< 2 for 840-860MHz and 2400-2500MHz
Nominal impedance	50 ohm
Power rating	20 W CW
Gain	0 dBi
Radiation pattern	Azimuth: Omnidirectional Elevation: TBD
Polarization	Vertical
Connector	N female

Mechanical specifications:

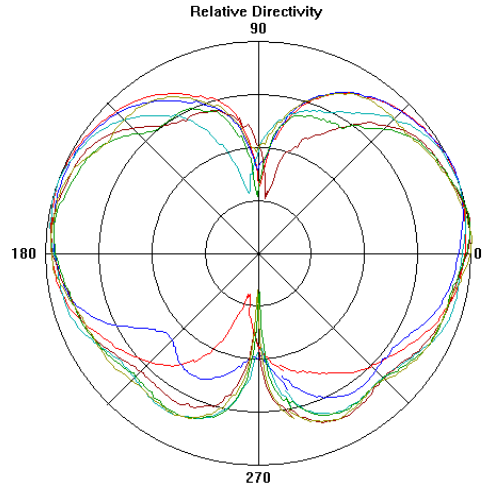
Design	Centered dipole. Radiating element completely enclosed in epoxy/fiberglass laminate. Metal parts are brass and stainless steel.
Length	Approx 0.51m
Weight	TBD
Wind rating	55 m/s = 125 mph
Finish	Polyurethane lacquer, olive drab. Black base
Temperature range	-55 °C, +71°C; -67 °F, +160 °F

Radiation Diagram, Elevation:



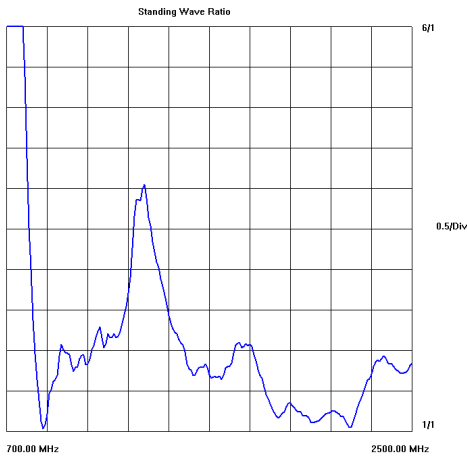
- Draw Curve:
- 880.00 MHz v
 - 888.00 MHz v
 - 896.00 MHz v
 - 904.00 MHz v
 - 912.00 MHz v
 - 920.00 MHz v
 - 928.00 MHz v
 - 936.00 MHz v
 - 944.00 MHz v
 - 952.00 MHz v
 - 960.00 MHz v

40dB dynamic range
880-960MHz



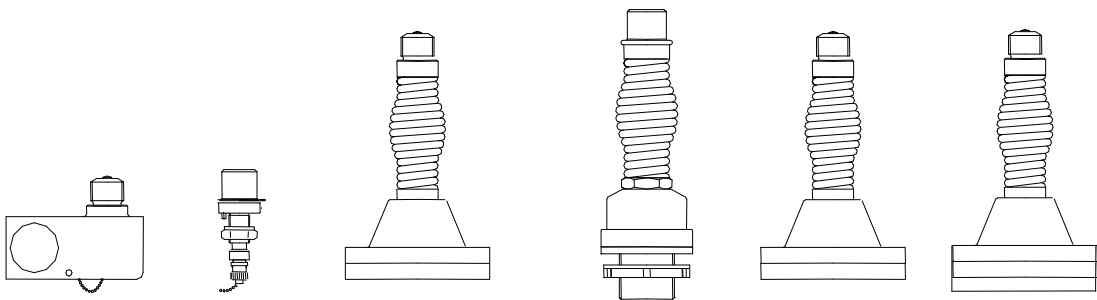
- Draw Curve:
- 1700.00 MHz v
 - 1780.00 MHz v
 - 1860.00 MHz v
 - 1940.00 MHz v
 - 2020.00 MHz v
 - 2100.00 MHz v
 - 2180.00 MHz v
 - 2260.00 MHz v
 - 2340.00 MHz v
 - 2420.00 MHz v
 - 2500.00 MHz v

40dB dynamic range
1700-2500MHz



Typical VSWR curve

Optimal bases with CEF-connetion



Mast mounting bracket

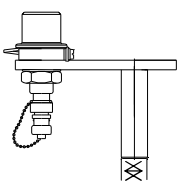
General purpose bracket

4 or 6 holes NATO flange

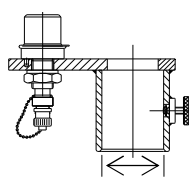
50mm NATO flange

NATO flange with WLAN

NATO flange with GPS



Mast bracket, male
Ø24 or ø40mm



Mast bracket, female
Ø40, ø50 or ø55mm